

App. No. 10/713,594
Amendment Dated August 15, 2006
Reply to Office Action of March 8, 2006

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REMARKS/ARGUMENTS

Claims 2-5, 7-10, and 44-51 are pending. Applicants believe the claims are allowable as more fully stated herein. Claims 2, 6 and 10 have been amended. No new matter has been added. For example, dual decoders are discussed on the second paragraph of page 15 of the application and localcast and broadcast modes are discussed in the first full paragraph of page 5.

Rejection of Claims 2-5, 7-10 and 44-51 Under 35 U.S.C. 103(a)

Claims 2-5, 7-10, and 44-51 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,548,814 ("Lorang") in view of U.S. Patent No. 5,442,646 ("Chadwick"). With respect to claim 44, applicants traverse the rejection because Lorang in view of Chadwick fails to teach or fairly suggest a localcast transmitter included in a mobile device, wherein the mobile device includes a localcast mode and a broadcast mode. As defined by the specification (page 2, first full paragraph), a localcast mode is used to transmit information over a relatively short range, such as within an office or on a corporate campus.

In contrast, Lorang in Figure 11 merely describes alternate paths of communication to the PDU (portable data unit) to be used when other paths fail. For example, the least preferred path, but having the greatest range, is the "stick" 20 paging cell (FM transmission only), which does not provide an acknowledgement that the transmission has been received (see discussion at col. 12, lines 42-67). Thus, it is noted that the paging cell only transmits data to the PDU, and the PDU cannot broadcast (or localcast) to the paging cell stick. Applicants further note that the "office" and "home" cells are described by Lorang as functional equivalents (see Col. 12, lines 46 and 47) and thus one cannot be in a broadcast mode and the other in a localcast mode.

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Chadwick fails to overcome these deficiencies because Chadwick is addressed to encoding in a paging system in Fig. 2, and does not teach or suggest a localcast transmitter included in a mobile device, wherein the mobile device includes a localcast mode and a broadcast mode. Thus, Lorang in view of Chadwick, either singly or in motivated combination, do not teach or suggest the recited limitations and claim 44 is submitted to be allowable.

With respect to claim 45, applicants traverse the rejection because Lorang in view of Chadwick fails to teach or fairly suggest a means for control that is arranged to collect the data from the data source, set a desired transmission frequency, transmission mode, and signal power. As noted above, Lorang in view of Chadwick fails to disclose a localcast mode and broadcast mode. Accordingly, the means of control of Lorang and Chadwick cannot select between these transmission modes.

Claims 46-49 depend from claim 44 and are submitted to be patentable for at least the reasons by which claim 44 is allowable.

With respect to claim 50, applicants traverse the rejection because Lorang in view of Chadwick fails to teach or fairly suggest a localcast transmitter included in a mobile device, wherein the mobile device includes a localcast mode and a broadcast mode. As discussed above, Lorang in Figure 11 merely describes alternate paths of communication to the PDU (portable data unit) to be used when other paths fail and do not describe localcasting and broadcast modes for the mobile device. For example, the least preferred path, but having the greatest range, is the "stick" 20 paging cell (FM transmission only), which does not provide an acknowledgement that the transmission has been received (see discussion at col. 12, lines 42-67). Thus, the paging cell only transmits data to the PDU, and the PDU cannot broadcast (or localcast) to the paging cell

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stick. Additionally, the "office" and "home" cells are described by Lorang as functional equivalents (see Col. 12, lines 46 and 47) and thus one cannot be in a broadcast mode and the other in a localcast mode.

Chadwick fails to overcome these deficiencies because Chadwick is addressed to encoding in a paging system in Fig. 2, and does not teach or suggest a localcast transmitter included in a mobile device, wherein the mobile device includes a localcast mode and a broadcast mode. Thus, Lorang in view of Chadwick, either singly or in motivated combination, do not teach or suggest the recited limitations and claim 50 is submitted to be allowable.

With respect to claim 2, Lorang in view of Chadwick fails to teach or fairly suggest a localcast transmitter that comprises a modulator that comprises a broadcast mode and a localcast mode. As discussed above with respect to claims 44 and 50, Lorang in view of Chadwick fails to disclose a localcast mode and broadcast mode. Accordingly, the modulator of Lorang and Chadwick cannot select between these transmission modes. Thus, Lorang in view of Chadwick, either singly or in motivated combination, do not teach or suggest the recited limitations and claim 50 is submitted to be allowable.

Claims 3-5, and 7-10 depend from claim 2 and are submitted to be patentable for at least the reasons by which claim 2 is allowable.

Claims 6, 11, 52, and 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lorang in view of Chadwick and further in view of U.S. Patent Application No. 2002/0051499 ("Cameron").

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With respect to claim 6, Lorang in view of Chadwick and further in view of Cameron either singly, or in motivated combination fails to teach or fairly suggest the localcast transmitter in claim 2, further comprising a second encoder, wherein the second encoder only encodes data received from the first interface, and the first encoder only encodes a system information block. As noted by the Office Action, Lorang and Chadwick as modified fails to disclose a second encoder. Cameron fails to overcome this deficiency because the decoders of Cameron redundantly code the same data to improve an error correction rate and does not use separate encoders for separately encoding received data and system information blocks. Thus, Lorang in view of Chadwick and further in view of Cameron, either singly or in motivated combination, do not teach or suggest the recited limitations and claim 6 is submitted to be allowable.

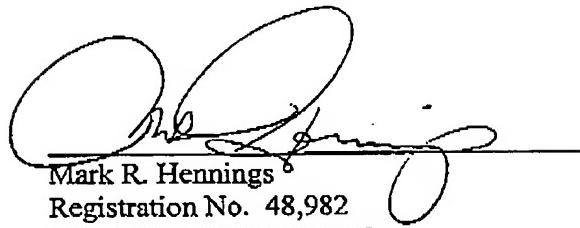
Claim 11 depends from claim 2 and is submitted to be allowable for at least the reasons by which claim 2 is allowable. Claims 52 and 53 depend from claim 50 and are submitted to be allowable for at least the reasons by which claim 50 is allowable.

In view of the foregoing amendments and remarks, all pending claims are believed to be allowable and the application is in condition for allowance. Therefore, a Notice of Allowance is respectfully requested. Should the Examiner have any further issues regarding this application, the Examiner is requested to contact the undersigned attorney for the applicants at the telephone number provided below.

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Respectfully submitted,

MERCHANT & GOULD P.C.



Mark R. Hennings
Registration No. 48,982
Direct Dial: 206.342.6289

MERCHANT & GOULD P.C.
P. O. Box 2903
Minneapolis, Minnesota 55402-0903
206.342.6200

